User's Manual

INTRODUCTION

The PCI multi-I/O card is designed based on a high performance PCI serial communication chip from SystemBase company, providing multiple serial device connectivity to your desktop computer. Most of the latest motherboards no longer come with a serial port. By using this card, user can add multiple serial ports to their computer for connecting serial devices. The product offers superior performance and unmatched data transfer rates. It is ideal for industrial automation applications.

FEATURES AND SPECIFICATION

General

- Easy installation, automatically selects IRQ and I/O address
- Fully compliant with PCI Local Bus Specification Revision 2.3
- Supports PCI Power Management
- Supports PCI IRQ sharing feature, saves valuable resources for other add-on cards
- Supports multiple cards on one PC
- Supports Windows 98SE, ME, Windows 2000 SP4, XP 32-/64-bit, Server 2003 32-/64-bit, Vista 32-/64-bit, Server 2008 32-/64-bit, Windows 7 32-/64-bit, DOS, Linux kernel 2.6.14 or above

Serial Port (RS-232) Interface

- Compatible with industrial standard 16C550 UART
- On-chip 256-byte Transmit FIFO and 256-byte Receive FIFO for each serial port
- Fast data rate up to 115.2Kbps on each port (Special version can support up to 1Mbps)
- Supports hardware and software flow control
- Supports 5-, 6-, 7-, 8-bit serial format
- Supports Even, Odd, or No Parity Bit Generation and Detection
- Supports 1, 1.5, or 2 Stop Bit Generation
- Optional jumpers (Port x PWR) for setting RI, +5V, or +12V on pin 9 of each serial port DB9 connector (Available on special models)

HARDWARE INSTALLATION

1. For special models with optional jumpers (PORTx PWR), refer to the below figure to select the function of the 9th pin of each DB9 serial port connector. Assume the serial port used is PORT1:

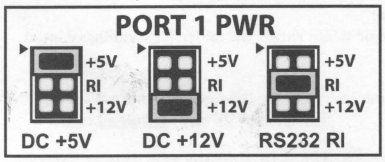

Figure 1 – Jumper block to configure the 9th pin of the DB9 serial port function

2. Turn off your computer and all devices connected to it.
3. Remove the computer's cover. Refer to your computer user's manual for more details.
4. Locate an un-used PCI slot and remove the metal bracket. Save the bracket screw for later use.
5. Align the card horizontally with respect to the PCI slot and insert it into the slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the card into the slot, secure the card with the bracket screw you have saved.
6. Replace the computer's cover.
7. Turn your computer on. You are now ready to install the driver!

DRIVER INSTALLATION

Installing Driver for Windows XP, Server 2003, Vista, Server 2008 and Windows 7:

1. Start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
2. Windows will automatically detect the product. Select "**Locate and install driver software (recommended)**" and click **Continue**. If the operating system cannot automatically search and download driver from Windows Update, then select "**I don't have the disc. Show me other options**".
3. Click on "**Browse my computer for driver software (advanced)**", and then browse to the following folder on the driver CD. Assume the operating system used is Windows Vista 32bit:

   D:\SystemBase\WinXP_Server2003_Vista_Server2008\Windows32bit

   For 64-bit operating systems, the drivers are located under this folder:

   D:\SystemBase\WinXP_Server2003_Vista_Server2008\Windows64bit

4. Click **Next** to continue.
5. Follow the on-screen instruction until the driver is installed completely.
6. Select "**Install this driver software anyway**" when Vista prompt the following:

   Windows can't verify the publisher of this driver software.

7. Finally click Close when all the drivers have been installed.

Installing Driver for Windows 98SE, ME, and 2000 SP4:

1. Start Windows and insert the Driver CD into the CD-ROM drive, assume drive D.
2. Windows will automatically detect the product. Select "**Search for the best driver for you device (Recommended)**" and click the Next button to continue.
3. Check "**Specify a location**" and then click the **Browse** button to select the location for the drivers, assume the operating system used is Windows 98SE:

   D:\SystemBase\Win98SE_ME_2K

4. Click **OK** button to confirm and click **Next** button to continue.
5. Follow the on-screen instruction to finish driver installation.

Installing Driver for DOS:

Please see the documentation on the driver disc folder: **\SystemBase\DOS**

Installing Driver for Linux:

Please see the documentation on the driver disc folder: **\SystemBase\Linux**

Updating Drivers:

The latest drivers and last-minute change to this document are available on this website:

http://www.drivers-download.com

Search for the following Download Code **DL-0385102** from "**Drivers Search**".

All contents and specification mentioned in this manual are subject to change without prior notice
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